PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	Attorn	ney Docket No. NUM-0159								
UTILITY	First Inventor Kazuto Ko			o Kob	bayashi					
PATENT APPLICATION										
TRANSMITTAL	Title	EXPANSION VALVE								
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Expre	Express Mail Label No.								
APPLICATION ELEMENTS		MS Patent Application								
	ADDRESS TO: Commissioner for Patents P.O. Box 1450									
See MPEP chapter 600 concerning utility patent application co.	ntents.	Alexandria, VA 22313-1450								
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or						large table or	10		
Applicant claims small entity status.		Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission								
See 37 CFR 1.27.	<u>, </u>	(if applicable, all necessary)								
3. X Specification [Total Pages 23] (preferred arrangement set forth below)	3 11	a. Computer Readable Form (CRF)								
Descriptive title of the invention		b. Specification Sequence Listing on:								
- Cross Reference to Related Applications i CD-ROM or CD-R (2 copies); or ii Paper - Statement Regarding Fed sponsored R & D										
- Reference to sequence listing, a table, c. Statements verifying identity of above copies or a computer program listing appendix										
 Background of the Invention Brief Summary of the Invention 		ACCOMPANYING APPLICATIONS PARTS								
Brief Description of the Drawings (if filed) Detailed Description	9. X Assignment Papers (cover sheet & document(s))									
- Claim(s) - Abstract of the Disclosure		10. 37 CFR 3.73(b) Statement Power of Attorney								
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 1	1]	11. English Translation Document (if applicable)								
5. Oath or Declaration [Total Sheets	1	1 12. X Information Disclosure X Copies of IDS Statement (IDS)/PTO-1449 Citations								
a. X Newly executed (original or copy)	13. X Preliminary Amendment									
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)									
i. DELETION OF INVENTOR(S)			15 Certified Copy of Priority Document(s)							
Signed statement attached deleting inventor(s) named in the prior application,			(if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).							
see 37 CFR 1.63(d)(2) and 1.33(b).			Applicant must attach form PTO/SB/35 or its equivalent.							
	17. X Other: Associate Power of Attorney									
6. Application Data Sheet. See 37 CFR 1.76	and auga	hi the requir	nite inform	otion be	law and i	2 46 2	5			
 If a CONTINUING APPLICATION, check appropriate box, following the title, or in an Application Data Sheet under 37 CFI 		iy ine requis	site inform	ацоп ре	iow and ii	n tne	iirst sentence of the spe	cirication		
Continuation Divisional Continuation	ı-in-part (CIP) of pr	ior applica	ation No.	:					
Prior application information: Examiner	Prior application information: Examiner Art Unit:									
For CONTINUATION or DIVISIONAL APPS only: The entire under Box 5b, is considered a part of the disclosure of the account										
reference. The incorporation <u>can only</u> be relied upon when a p								· y		
19. COF	RESPO	NDENCE	ADDRE	SS						
		23353		1 _	_					
X Customer Number or Bar Code Label		or X Correspondence address					below			
Name RADER, FISHMAN & GRAUE	R PLLC									
Address 1233 20th Street, N.W.										
Suite 501						10	0000			
Country U.S. Tol	te ephone	DC (202) 955-3750			Zip Code 20036 Fax (202) 955-3751					
<u>',=:=:=::::::::::::::::::::::::::::::::</u>				==	=	(202) 955-3751				
Name (Print/Type) Carl Schaukowitch Registration No. (Attorney/Agent) 29,211										
Signature (au Sc				Date	Ju	ly 8, 2003				

PTO/SB/17 (05-03) Approved for use through 04/30/2003. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.											
	Complete if Known										
FEE TRANSMITTAL	Application Number			er N	Not Yet Assigned						
for FY 2003		Filing Date			С	Concurrently Herewith					
Effective 01/01/2003, Patent fees are subject to annual revision.	First Named Inventor			ntor K	Kazuto Kobayashi						
		Examiner Name			N	Not Yet Assigned					
Applicant claims small entity status. See 37 CFR 1.27	[Art Unit			N	N/A					
TOTAL AMOUNT OF PAYMENT (\$) 750		Attorney Docket No.				NUM-0159					
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					ntinued)					
Check Credit Money Order Other None	3. ADDITIONAL FEES										
X Deposit Account								İ			
Deposit Account 18-0013	Large Fee	Fee Fee Fee									
Number	Code	(\$)	Code	(\$)		Fee Desc	Fee Paid				
Deposit Account Rader, Fishman & Grauer PLLC	1051	130	2051	65	Surcharge - I	late filing fee	e or oath				
Name The Director is hereby authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fee or cover						
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	sheet. Non-English	snecification	,				
Charge any additional fee(s) during the pendency of this	1812	2,520	1812		-	•	arte reexamination				
application	1804	920*	1804	920*	Requesting p						
Charge fee(s) indicated below, except for the filling fee	ŀ				Examiner acti Requesting p	ion ublication o	f SIR after				
to the above-identified deposit account.	1805	1,840*			Examiner acti	ion					
FEE CALCULATION 1. BASIC FILING FEE	1251 1252	110 410	2251 2252	55 205	Extension for		first month second month				
Large Entity Small Entity	1253	930	2253	465	Extension for						
Fee Fee Fee Fee <u>Fee Description</u> Fee Pald	1254	1,450	2254	725			fourth month				
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255		Extension for	, -					
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appeal						
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal						
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing						
1005 160 2005 80 Provisional filing fee	1451 1452	1,510	1451 2452	1,510 55		-	lic use proceeding				
SUBTOTAL (1) (\$) 750.00	1453	110 1,300	2452	650	Petition to rev						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue fe						
Extra Fee from Claims below Fee Paid	1502	470	2502	235	Design issue	fee					
Total Claims 10 -20** = x = 0.00	1503	630	2503	315	Plant issue fe	e					
Independent 2 -3** = x = 0.00	1460	130	1460	130	Petitions to th	ne Commiss	ioner				
Multiple Dependent =	1807	50	1807	50	Processing fe	ee under 37	CFR 1.17(q)				
Large Entity Small Entity	1806	180	1806	180	Submission o	of Informatio	n Disclosure Stmt				
Fee Fee Fee Code (\$) Code (\$)	8021	40	8021	40			ssignment per				
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	property (times number of properties) Filing a submission after final rejection						
1201 84 2201 42 Independent claims in excess of 3	1810	750	2810	375	(37 CFR 1.129(a)) For each additional invention to be			 			
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 ** Reissue independent claims	1801	750	2801	375	examined (37CFR 1.129(b))						
over original patent	1802	900	1802	900	Request for e	expedited ex	, ,	I			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	l	of a design application									
SUBTOTAL (2) (\$) 0.00	1	ced by l		ling Fee	Paid	SUBTO	TAL (3) (\$)				
**or number previously paid, if greater; For Reissues, see above	, Keul	wen by t	Jaaic M	y ree			VUE (9) [(8)				
SUBMITTED BY						Complete (if applicable)				
Name (Print/Type) Carl Schaukowitch	Posistration No.				(202) 955-3750						
Signature Caul Ser						Date	July 8, 2003	i			